

What is claimed is:

1. An optical fiber drawing apparatus, comprising:
 - a heating furnace adapted to melt an optical fiber mother material and to draw an optical fiber;
 - 5 an optical fiber standard value controller unit adapted to control standard values of the optical fiber drawn;
 - a fixing roller adapted to change a drawing direction of the optical fiber;
 - at least one or more moving rollers which are movable on a drawing surface for adjusting a curvature radius of the optical fiber which has a changed drawing direction;
 - 10 and
 - a winding apparatus adapted to wind the optical fiber which has an adjusted curvature radius.
2. The apparatus of claim 1, wherein there is provided a bracket connected to said at
15 least one or more moving rollers, respectively, in order for said at least one or more moving rollers to move along a drawing surface of the optical fiber.
3. The apparatus of claim 2, wherein said bracket comprises a vertical direction guide in which grooved in a vertical direction and which a shaft of each of at least one or
20 more moving rollers is embedded and in order for said at least one or more moving rollers to reciprocate in a vertical direction.
4. The apparatus of claim 3, wherein a pivot joint is installed in one side of the bracket, and the bracket rotates about the pivot joint.

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5. The apparatus of claim 2, further comprising an apparatus capable of impressing a spin to the optical fiber by reciprocating the bracket in a vertical direction with respect to a drawing surface of the optical fiber, said apparatus being connected with a bracket connected to one among at least one or more moving rollers.

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6. The apparatus of claim 5, wherein said apparatus adapted to impress a spin to the optical fiber is a link connected CAM.

7. The apparatus of claim 1, wherein said optical fiber standard value controller unit
10 comprises:

an optical fiber diameter controller unit adapted to measure and control the diameter of the optical fiber; and

an optical fiber fabricating unit adapted to process an optical fiber that the diameter of the same is measured.

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8. The apparatus of claim 7, wherein said optical fiber diameter controller unit comprises:

a diameter measuring device adapted to measure a diameter of an optical fiber drawn from the heating furnace; and

20 a capstan adapted to draw an optical fiber having a particular diameter with respect to the diameter measured.

9. The apparatus of claim 7, wherein said optical fiber fabricating unit comprises:

a cooling apparatus adapted to cool the optical fiber melted in the heating furnace;

25 a coating apparatus adapted to coat the cooled optical fiber with a certain coating

material; and

a violet ray hardening apparatus adapted to harden the optical fiber coated.